

NOTEWORTHY COLLECTIONS

OREGON

The following collections document range extensions in “Urbanizing Flora of Portland, Oregon, 1806–2008” (Christy et al. 2009); for brevity: “Urbanizing Flora”.

EUONYMUS EUROPAEUS L. (CELASTRACEAE).—Multnomah Co., Portland, openish, brushy area, mostly on the S side of Springwater Corridor ca. 0.15–0.22 mi E of S.E. 111th Ave., well established by 1998, possibly from the Leach Botanical Garden or other gardens in the area where known to be cultivated, with *Athyrium filix-femina*, *Corylus* sp., *Crataegus douglasii* var. *suksdorfii*, *C. monogyna*, *Epilobium* sp., *Galium aparine*, *Holcus lanatus*, *Hypericum perforatum*, *Phalaris arundinacea*, *Polystichum munitum*, *Rubus armeniacus*, *Salix lasiandra*, *Spiraea douglasii*; elev. 210 ft, 15 May 1998, *Marttala* 4708 (UC, WS); 28 June 2006, *Marttala* 4708a (OSC, UC, WTU); 30 September 2006, *Marttala* 4708b (UC, WS); 2 December 2006, *Marttala* 4708c (CAS, HPSU, NY, OSC, REED, WTU); 6 May 2007, *Marttala* 4708d (OSC); 16 May 2007, *Marttala* 4708e (NY, OSC, REED, WTU); 19 May 2007, *Marttala* 4708f (HPSU). N side of Springwater Corridor ca. 100 ft E of MP11, ca. 0.16 mi W of S.E. 122nd Ave., among *Phalaris arundinacea* in grassy, ±open area with brush and small trees, with *Crataegus monogyna*, *Galium aparine*, *Ilex aquifolium*, *Oemleria cerasiformis*, *Rubus armeniacus*, elev. 210 ft, 29 September 2007, *Marttala* 5503 (OSC, REED).

Previous knowledge. Previously reported from seven-teen states east of the Mississippi River (USDA, NRCS 2010).

Significance. The first report from Oregon and first report in a state west of the Mississippi River, a range extension of about 2500 km was made in “Urbanizing Flora”. In late May 2010 the Oregon Flora Project Atlas posted a Eugene collection (just east of Autzen Stadium) 11 May 2005, *B. Newhouse* 2005–2006 (OSC) (Oregon Flora Project 2010), so now there are populations of *Euonymus europaeus* in Portland and Eugene, separated by ca. 160 km.

POLYCARPON TETRAPHYLLUM (L.) L. var. *TETRAPHYLLUM* (CARYOPHYLLACEAE).—Multnomah Co., Portland, N.E. Couch St. between N.E. 11th and 12th Avenues and on adjacent 11th and 12th Avenues, 24 July 2003, *Marttala* 5420 (CAS, GH, HPSU, NY); 11 September 2003, *Marttala* 5420a (OSC, REED); 12 November 2004, *Marttala* 5420b (UC, US); 17 May 2006, *Marttala* 5420c (MO, WS, WTU). Around the intersection of S.E. Sandy Blvd. and 11th Ave. and Ankeny St., 17 June 2009, *Marttala* 5554 (OSC); 17 June 2009, *Marttala* 5553 (WTU); 18 July 2008, *Marttala* 5534 (OSC); 18 July 2008, *Marttala* 5535A (UC); 18 July 2008, *Marttala* 5535B (REED). S.E. Yamhill St. between 6th and 7th Ave. and 7th Ave. N of Yamhill St., 18 July 2008, *Marttala* 5533 (HPSU, NY); 17 June 2009, *Marttala* 5533a (OSC). N side of S.E. Belmont St. between Martin Luther King, Jr. Blvd. and Grand Ave. along the E bound Morrison Bridge off ramp, 17 July 2006, *Marttala* 5467 (OSC). S.E. Salmon St. just E of 2nd Ave. and 2nd Ave. from Salmon St. S on the E side of 2nd Ave. to ca. 115 ft from the intersection, adjacent

to the Pratt and Whitney Tile Building, 13 May 2008, *Marttala* 5529 (OSC, REED, WTU). Habitat invariably sidewalk crevices and seams of sidewalk and buildings or streets; usually open areas, almost never on N side of buildings; elev. ca. 40–110 ft; most often with *Cardamine oligosperma*, *Cerastium glomeratum*, *Poa annua*, *Polygonum aviculare*, *Sagina procumbens*, *Sonchus oleraceus*, and *Spergularia rubra*.

Previous knowledge. Reported from SW Oregon near Gold Beach (6 collections), e.g., Curry Co., Gold Beach, 42°24'27"N, 124°25'14.16"W, 20 August 1998, *Richard R. Halse*, s.n. (OSC), and known from the historical record in Portland (Lower Albina, 15 September 1902, *E. P. Sheldon* 10307, OSC), and Hood River (along the Columbia River, Hood River, 23 July 1880, *L. F. Henderson*, s.n., OSC) (Oregon Flora Project 2010). Although *Polycarpon tetraphyllum* is given as an annual, it invariably seems to survive through all but the hardest of our usually mild winters.

Significance. When published in the “Urbanizing Flora” the Portland sites were ca. 365 km from the then nearest known populations and separated from the earlier Portland collections by over 100 years. The recent postings of the *Richard R. Halse* 7550 Arch Cape (Clatsop Co., 45°48'30.96"N, 123°57'43.92"W, 16 September 2008, OSC) and *Nick Otting*, *Danna Lytjen* 1106 (Lane Co., 43°55'6.24"N, 123°0'44.28"W, 5 June 2005, OSC) collections (Oregon Flora Project 2010) start to fill in the distribution of this weedy species, separations of about 100 and 160 km from Portland. The Portland sites cluster along a nearly 1.5 km long corridor, in part following a major arterial, Sandy Blvd., suggesting an avenue of dissemination.

POTENTILLA RECTA L. (ROSACEAE).—Clackamas Co., dirt banks, sloping grass-forb meadow, and weedy flats, Molalla, T5S R6E sec. 20, NW¼ SE 1/16; elev. ca. 1040 ft (ca. 315 m), open area to partial shade of cottonwoods, with *Populus balsamifera* ssp. *trichocarpa*, bearded *Iris*, *Daucus carota*, *Sonchus* sp., grasses, *Cirsium arvense*, *C. vulgatum*, *Taraxacum officinale*, *Epilobium brachycarpum*, *Hypochaeris radicata*, *Leucanthemum vulgare*, *Rubus armeniacus*, *R. ursinus*, *Lepidium* sp., *Narvarretia* sp., *Juniperus* sp., *Acer* sp., *Buddleja* sp., 26 July 2008, *Marttala* 5536 (HPSU, WS); 17 August 2008, *Marttala* 5536a (NY, OSC, REED, WTU).

Previous knowledge. Present in all but three U.S. states and widespread but erratically distributed in Oregon (Oregon Flora Project 2010; USDA, NRCS 2010). The nearest documented site is 3 mi. south of Halsey, (Linn Co., 44°21'36"N, 123°8'24"W, 13 July 1978, *Gaylee Goodrich* 43, OSC) (Oregon Flora Project 2010). This is listed as a Class B Noxious Weed by Oregon Department of Agriculture and as a “B” designated weed/Quarantine according to USDA, NRCS (2010).

Significance. A range extension of about 100 km.

SAMBUCUS NIGRA L. ssp. *NIGRA* (CAPRIFOLIACEAE).—Multnomah Co., Portland, Brookside Wildlife Area, ca. 50–100 ft E of S.E. 110th Drive and ca. 325 ft N of Brookside Drive, ±flat, open, grassy, brushy area with scattered trees, E of patches of large rocks, with grasses, *Abies grandis*, *Spiraea douglasii*, *Fraxinus*

latifolia, *Berberis aquifolium*, *Thuja plicata*, *Robinia pseudo-acacia*, *Solanum dulcamara*, *Acer circinatum*, *Galium aparine*, *Rubus armeniacus*, *Vicia sativa* ssp. *nigra*, *V. hirsuta*, *Geranium dissectum*, 27 August 2007, *Marttala* 5495 (HPSU, UC, WS); 22 September 2007, *Marttala* 5495a (NY, OSC, REED, WTU); 7 June 2008, *Marttala* 5495b (NY, OSC, REED, WTU).

Previous knowledge. Known from three states on the east coast – Connecticut, Pennsylvania and Virginia (USDA, NRCS 2010).

Significance. A range extension of about 3700 km. These plants are evidently relicts of cultivation, but they are prolific seeders and weedy; *Sambucus nigra* ssp. *nigra* is expected to spread. (Hogen 2003).

SAXIFRAGA TRIDACTYLITES L. (SAXIFRAGACEAE).—Multnomah Co., Portland, fenced vacant lot bounded by S.E. Taylor and Salmon Streets, S.E. Water Avenue and Interstate 5 and adjacent stretch of S.E. Taylor just E of small parking lot adjacent to Interstate 5, moss covered areas of asphalt and concrete (sidewalk), occasionally in thin, gritty soil as along sidewalk, with *Brachythecium albicans*, *Bryum argenteum*, *Ceratodon purpureus*, *Didymodon vinealis*, *Grimmia pulvinata*, *Pseudoscleropodium purum*, *Rosulabryum capillare*, *Scleropodium cespitosum*, *Syntrichia ruralis*, *Vulpia* sp., *Bromus rigidus*, *Hordeum murinum*, *Poa annua*, *Draba verna*, *Cardamine oligosperma*, *Senecio vulgaris*, *Stellaria media*, *Veronica arvensis*, *Cerastium glomeratum*, *C. semidecandrum*, *Acer macrophyllum*, *Arabidopsis thaliana*, *Daucus carota*, *Epilobium* sp., *Hypochaeris radicata*, *Plantago lanceolata*, *Sonchus oleraceus*, *Trifolium dubium*, *Veronica arvensis*, elev. ca. 30 ft, 8 April 2008, *Marttala* 5514 (CAS, GH, HPSU, NY, OSC, REED, UC); 9 April 2008, *Marttala* 5514a (US, WTU); 25 April 2008, *Marttala* 5514b (CAS, GH, HPSU, NY, OSC, REED, UC, US, WTU); 14 May 2008, *Marttala* 5514c (BH, BRIT, BRY, GZU, MO, PE, UBC, WS). The vacant lot in which this population occurs is used for storage and transient parking. Despite many years of visiting and botanizing this site, no *Saxifraga tridactylites* was seen until 2008.

Previous knowledge. Previously known in North America only from British Columbia, from Texada Island and sites in southern Vancouver Island near and west of Victoria (A. Ceska, Ceska Geobotanical Consulting, Victoria, BC; M. Fairbairns, Aruncus Consulting, Victoria, BC, and F. Lomer, Univ. British Columbia Herbarium, Vancouver, BC, personal communications to J. Christy, Portland State Univ., forwarded to author).

Significance. First record in the continental U.S., ca. 330 km from nearest site in British Columbia, Canada.

In Europe, this species is expanding its range (Reisch 2007).

SOLANUM LYCOPERSICUM L. var. *LYCOPERSICUM* (SOLANACEAE).—Multnomah Co., Portland, rocky, E bank of Willamette River ca. 350 ft S of Hawthorne Bridge, with *Chenopodium ambrosioides*, *Rubus armeniacus*, *Rumex* sp., *Vicia* sp., elev. 10–15 ft, plants did not survive the hard winter and high water of 2008–2009, 26 November 2008, *Marttala* 5543 (OSC, REED); 4 December 2008, *Marttala* 5543a (WTU). Washington Co., West Slope, T01N, R01W, NE1/4 of NE 1/4 Sec. 12, elev. 590 ft, sprouting nearly every summer from previous year's seeds in garden beds and compost piles, with *Malva neglecta*, *Kickxia elatine*, *Taraxacum officinale*, *Sonchus oleraceus*, *Portulaca oleracea*, 28 Aug 2009, *John A. Christy* 10059 (OSC).

Previous knowledge. Previously reported from Oregon (INVADERS Database System 2008; USDA, NRCS 2010) from Portland based on Suksdorf 1900 material (WS0000138469).

Significance. Modern reports, more than 100 years after first collected. Since tomatoes regularly self-seed in gardens, the rarity of naturalized specimens in Oregon is fairly surprising, especially since USDA, NRCS (2010) shows them in forty states.

—VERNON M. MARTTALA, 10811 S.E. Schiller St., Portland, OR 97266-3459. romanzo@ffivm@earthlink.net.

LITERATURE CITED

- CHRISTY, J. A., A. KIMPO, V. MARTTALA, P. K. GADDIS, AND N. L. CHRISTY. 2009. Urbanizing flora of Portland, Oregon, 1806–2008. Occasional Paper 3. Native Plant Society of Oregon, P.O. Box 902, Eugene, OR.
- HOGEN, S. 2003. *FLORA*, a gardener's encyclopedia. Volume 2, L–Z. Timber Press, Portland, OR.
- OREGON FLORA PROJECT. 2010. Oregon plant atlas. Oregon State University, Corvallis, OR. Website <http://www.oregonflora.org/atlas.php> [accessed 31 May 2010].
- REISCH, C. 2007. Genetic structure of *Saxifraga tridactylites* (Saxifragaceae) from natural and man-made habitats. *Conservation Genetics* 8:893–902.
- INVADERS DATABASE SYSTEM. 2008. The University of Montana, Missoula, MT. Website <http://invader.dbs.umt.edu/> [accessed 4 December 2008].
- USDA, NRCS. 2010. The PLANTS Database. National Plant Data Team. Greensboro, NC. Website <http://plants.usda.gov> [accessed 2 June 2010].